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ABSTRACT OF THE DISCLOSURE

A liquid composition comprising colloidal suspension of biomolecule-binding matrix material a (preferably nitrocellulose) dispersed in a liquid, with particles of the matrix material being of a defined and replicate copies of a biomolecule, particle size, acid probes, which or nucleic are protein distributed, preferably uniformly, throughout the colloidal suspension and are bound to the matrix material particles, is disclosed. The liquid composition of the invention can be used directly for sample analysis of biomolecules, aliquots of the preparation or composition can be spotted onto a support to form a microporous matrix system or microarray for analysis or preparation of biomolecules. Compositions and microarrays according to the invention are useful in any type analytical or preparative procedure relating to They are particularly useful, e.g., biomolecules. methods for detecting a biomolecule analyte in a liquid methods for determining the presence particular nucleic acid sequence within a liquid sample for determining the presence of and methods candidate molecule in a liquid sample. The invention further comprises kits for practicing the various methods of the invention.

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